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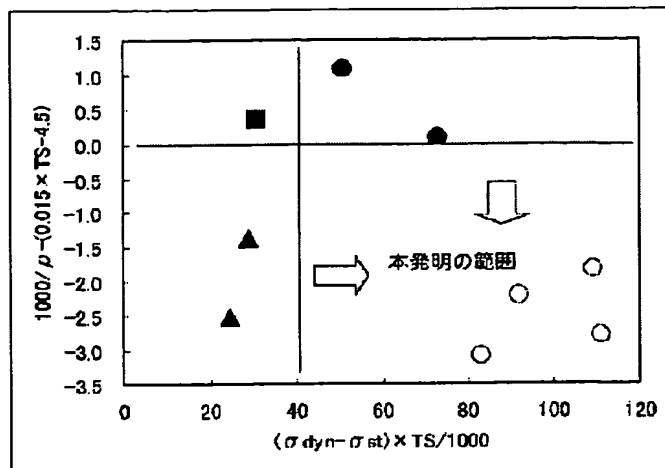
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TITLE : HIGH STRENGTH STEEL SHEET WITH
HIGH WORKABILITY SUPERIOR IN
SHAPE RETAINING PROPERTY ON
WORKING AND IMPACT- ENERGY
ABSORPTION ABILITY, AND
MANUFACTURING METHOD
THEREFOR



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a high strength steel sheet having a satisfactory shape retaining property and an impact-energy absorption ability by controlling the texture, r value, the composition and microstructure of the steel sheet, and to provide a manufacturing method therefor.

SOLUTION: The high strength steel sheet with high workability superior in shape retaining property on working and impact-energy absorption ability comprises a controlled composition, a composite structure including retained austenite of 3% or more by a volume fraction, 3.0 or more of mean value of random X-ray intensity ratio for orientation groups of {100}<011>-{223}<110> in the sheet face within thickness of at least 1/2 sheet, and 3.5 or less of mean value of random X-ray intensity ratio for three crystal orientations of {554}<225>, {111}<112>, and {111}<110>. It further comprises that at least one of r value in a longitudinal direction and r value of the long-transverse direction is 0.7 or less.

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